



Coastal Risk Atlas CRA

National Coastal Data Development Center
www.ncddc.noaa.gov

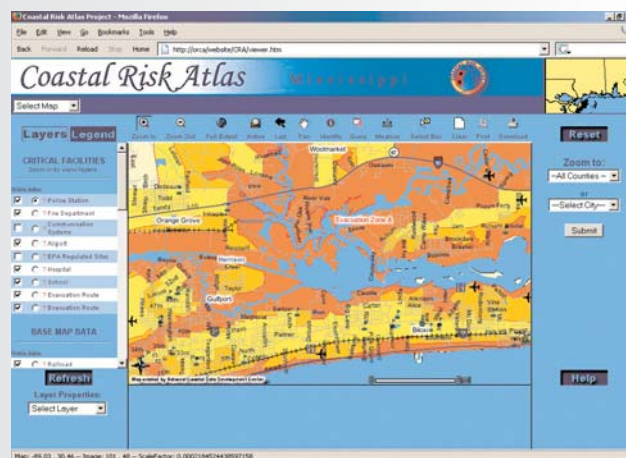
NOAA's Coastal Risk Atlas (CRA) provides online access to coastal hazards data to enable resource managers, emergency managers, and the public to assess their community's vulnerability to coastal storms. CRA users can view the locations of critical facilities, infrastructure, vulnerable populations, and sources of toxic release relative to high-risk storm surge, wind, and flood areas. Software tools built on ESRI's ArcMap technology have been developed to automate the process of managing data used in vulnerability assessments. This effort was initiated for the Mississippi Gulf Coast and Northeast Florida as a pilot project and will expand to include the remaining Gulf Coast States during FY04.

2004 Coastal Risk Atlas Activities

- CRA and the vulnerability assessment tools have been demonstrated to the Centennial Meeting of the Association of American Geographers, the 2004 Mississippi Hurricane Conference, and the Association of State Floodplain Managers Annual Conference 2004.
- Staff members were present at the Xtreme Weather Fair 2004 in Hancock County, Mississippi to distribute information about the Coastal Risk Atlas to the general public.
- CRA is being used in the classroom at both the high school and collegiate levels as part of lesson plans involving vulnerability assessment methods.

Online Mapping and Tools

- Allows users to view, query, and identify hazard and local information in an interactive map setting.
- Emergency officials can locate vulnerable populations and identify evacuation requirements.
- Resource managers can identify economic risks.
- Residents and potential home buyers can assess the vulnerability to coastal storms within the community.
- Data and software tools can be downloaded from the Internet to be used in a desktop GIS.



Participants and Partners

- NOAA's Coastal Services Center, Charleston, SC
- FEMA Region IV (Southeast US) Hurricane Program
- US Army Corps of Engineers, Mobile District
- National Weather Service Forecast Office, Slidell, LA
- Mississippi Emergency Management Agency
- County and City Emergency Management Officials
- MDMR Comprehensive Resource Management Plan
- Mississippi Association of Spatial Technology

For more information:

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- Please visit our web site: <http://www.ncddc.noaa.gov/cra>